March 7, 2021

Mr. Mark Carpenter, P.E. District 12 Environmental Engineer 5500 Transportation Blvd Garfield Hts., Ohio 44125

Re: CUY-BH-FY2023 Misc (PID 105909) Asbestos Survey

CUY-252-4.370, SR 252 (Great Northern Blvd) over I-480

SFN 1810405

Dear Mr. Carpenter,

EnviroScience, Inc. was contracted by the Ohio Department of Transportation to provide an asbestos survey of the CUY-252-4.370 bridge structure over Interstate 480. The bridge location coordinates are 41.41298, -81.90194.

The 292-foot long four-span continuous steel beam bridge with reinforced concrete deck and substructure will be replaced. Bridge inventory report information indicates the structure to have been originally built in 1980. A site location map is included in Appendix A.

Asbestos Regulations and Definitions

Prior to the demolition or renovation of a structure (including bridge structures), an asbestos inspection must be conducted by a licensed asbestos hazard evaluation specialist in accordance with National Emissions Standard for Hazardous Air Pollutants (NESHAP) Guidelines, EPA Regulation 40 CFR, Subpart M, Part 61, and OEPA asbestos regulations (OAC 3745-20). Further, the Occupational Safety and Health Administration's (OSHA's) Asbestos Standard for the Construction Industry (29 CFR 1926.1101) regulates all renovation and demolition work involving building materials which contain any amount of asbestos.

NESHAP, OEPA, and OSHA asbestos regulations define asbestos containing material (ACM) as any material containing greater than one (1) percent asbestos as determined by polarized light microscopy. NESHAP regulations require that all materials suspected of containing asbestos be sampled to determine asbestos content or be assumed to be an ACM and, therefore, treated as such. Materials that are determined or assumed to be ACMs shall be quantified and assessed by a licensed inspector. The materials then shall be characterized and assigned one of the following designations: Friable, Category I Non-friable, and Category II Non-friable.

<u>Friable ACM</u> is defined by the Asbestos NESHAP regulations as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dried, can be crumbled, pulverized, or reduced to powder by hand pressure.

<u>Non-friable ACM</u> is any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM can remain on the structure during renovation/demolition if it will not be sanded, grinded, cut, abraded, or made friable by any means.



The two categories of non-friable ACM are described as follows:

- <u>Category I Non-friable ACM</u> asbestos-containing packing, gaskets, resilient floor covering, and asphalt roofing products.
- <u>Category II Non-friable ACM</u> any asbestos-containing material excluding Category I Non-friable ACM.

Regulated ACM (RACM) is defined as:

- Friable asbestos material.
- Category I Non-friable ACM that has become friable.
- Category I Non-friable ACM that has been or will be involved in sanding, grinding, cutting, or abrading.
- Category II Non-friable ACM that has a high probability of becoming crumbled, pulverized, or reduced to powder by forces expected to act on the material during renovation or demolition.

Asbestos Survey Summary

<u>Bridge Plan Review</u> - Prior to the field survey, EnviroScience performed a limited review of available bridge construction plans that were compiled by the department and placed on ODOTs FTP site. Based on our review of portions of CUY-252-4.370 plans, a bank of six (6) CEI conduits was shown to be affixed to the underside cross bracing. In addition, a 1'- 8" x 2'-3" box out is depicted in the backwall for the conduits to pass through. The conduits may have the potential to contain asbestos. No other conclusive evidence of suspect ACM was noted.

<u>Asbestos Survey</u>- An asbestos survey of the subject bridge structure was conducted on 01/13/21 by C.E. Kessler, Certified Asbestos Hazard Evaluation Specialist #ES34704 and Amy Wakefield, Certified Asbestos Hazard Evaluation Specialist #ES543881.

All accessible portions of the CUY-252-4.370 bridge were field investigated for the presence of suspected ACMs. A visual inspection of the top and bottom sides of the structure including the deck, parapets, vandal fence, beams, and abutments was conducted. A bank of six (6) 5"Johns-Manville Transite Conduits was confirmed to be affixed to the underside cross bracing. Transite is historically known to contain asbestos and was therefore assumed to be ACM. EnviroScience obtained a sample of one of the water damaged Transite couplers near the backwall to serve as a confirmation sample. No other utilities were observed affixed to the underside of the structure.

The following table summarizes the samples that were collected:

Table 1 – Sample Summary – CUY-252-4.370 Bridge SFN 1810405									
Sample	ample Homogeneous Area Category Location of Sample Asbe								
252-1	Transite Coupler	Category II	North back wall	Yes					
252-2	Expansion Joint	Misc	North backwall – at split	No					
252-3	Expansion Joint	Misc	North backwall – at split	No					
252-4	Joint Caulk	Misc	Parapet Railing	No					



Table 1 – Sample Summary – CUY-252-4.370 Bridge SFN 1810405								
Sample	Sample Homogeneous Area Category Location of Sample As							
252-5	Joint Caulk	Misc	Parapet Railing	No				
252-6	Joint Caulk	Misc	Parapet Railing	No				
N/A	5" Transite Conduits (6)	Category II	Underside cross bracing	Assumed Yes				

All bulk samples collected were submitted to IATL International Asbestos Testing Laboratories of Mount Laurel, New Jersey, for analysis of asbestos content by polarized light microscopy (PLM) using the Environmental Protection Agency (EPA) Method 600/R-93/116. Appendix B includes an IATL laboratory Chain of Custody, sampling log, and laboratory analysis report. A bridge diagram indicating sample locations and a photo log is provided in Appendix C.

Conclusion and Recommendations

Johns-Manville "Transite" has historically been confirmed to be an asbestos containing material. Accordingly, the bank of six (6) 5" Transite conduits was assumed to be ACM. In their current state, the conduits would be considered non-friable. However, it can be assumed that the conduits may have a high probability of becoming crumbled, pulverized, or reduced to powder by forces expected to impact them during renovation/demolition such as sanding, cutting, grinding, abrading, etc. - resulting in the material to potentially become friable. Lab analysis verified the Transite coupler to contain 15% Chrysotile and 8.3% crocidolite asbestos which is likely indicative of the ACM content contained in the Transite conduits. The coupler(s) are water damaged and therefore considered to be friable.

Lab analysis of the remaining bulk samples taken from the CUY-252-4.370 structure indicate that no asbestos containing material was found in the expansion joint and joint caulking materials sampled.

Table 2 – ACM Summary – CUY-252-4.370 Bridge SFN 1810405									
Homogeneous Area Category Location of Sample Positive for Asbestos? Quantity ACM									
Transite Coupler	Category II, friable North Back Wall		Yes	contained in LF below					
5" Transite Conduit (6)	Category II, non-friable	Underside cross bracing	Assumed Yes	1,752 LF					

If suspect ACMs are revealed during demolition or renovation activities that were not identified during this survey it is recommended that work activities cease until a Certified Asbestos Hazard Evaluation Specialist can evaluate the new material(s). Any removal and subsequent disposal of the asbestos containing material during demolition operations must comply with the Ohio Administrative code, the occupational Safety and Health Administration (OSHA) regulations and the National Emission Standard for Hazardous Air pollutants (NESHAP). Reference the Ohio Environmental Protection Agency adopted chapters 3745-20-03 & 3745-20-04 of the Ohio Administrative Code. This implements the NESHAP standards for asbestos and its removal.



Notification

An OEPA Notification of Demolition and Renovation form must be submitted ten (10) working days prior to work activities. Appendix D contains the OEPA form of which Section 1 - General Information 1, 2, 3, 4, and 5; and Section 2 - Project Address Specific Information A, B, C, and D have been completed.

Once the Contractor has been selected for the project, the remaining sections of the form shall be completed (as applicable) and the notification form submitted with the proper remittance to the following address at least 10 working days prior to starting work:

Ohio EPA, DAPC Asbestos P.O. Box 1049 Columbus, Ohio 43216-1049

The form may also be completed/submitted via on-line at https://epa.ohio.gov/dapc/atu/asbestos

AHES Signature:

Charles E. Kessler, AICP, CAHES, CEP

Asbestos Hazard Evaluation Specialist #ES34704

Attachments





Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: EnviroScience, Inc. Report Date: 1/21/2021

5070 Stow Road Report No.: 626737 - PLM

ODOT District 12 Bridges-CUY Stow OH 44224 Project:

Project No.: Client: ENV507

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7129112 Analyst Observation: Lt Grey Insulation Location: Back North Wall

Client Description: North Bridge Divide Transite Coupler Facility: **Client No.:** 252-1

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

2 Fibrous Glass 15 Chrysotile 74.7

PC 8.3 Crocidolite

Lab No.: 7129113 Analyst Observation: Black Expansion Joint Location: Expansion Joint

Client No.: 252-2 Client Description: Divided Black Wall Split Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

40 Cellulose None Detected

Sample received wet

Lab No.: 7129114 Analyst Observation: Black Expansion Joint Location: Expansion Joint North

Client No.: 252-3 Client Description: Divided Black Wall Split Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

40 Cellulose 60 None Detected

Lab No.: 7129115 Analyst Observation: Grey Caulk Location: Caulk Joint

Client Description: Parapet Railing **Client No.: 252-4** Facility:

Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material: Percent Asbestos:

None Detected None Detected

Lab No.: 7129116 Analyst Observation: Grey Caulk Location: Caulk Joint

Facility: **Client No.: 252-5** Client Description: Parapet Railing

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Lab No.: 7129117 Analyst Observation: Grey Caulk Location: Caulk Joint

Client Description: Parapet Railing **Client No.: 252-6** Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

1/18/2021 Date Received: 01/21/2021 Date Analyzed:

20a. Sunth Signature: Ellen Smith Analyst:

Dated: 1/21/2021 4:58:05 Page 1 of 4 Approved By:

Frank Tuanfall Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: EnviroScience, Inc. Report Date: 1/21/2021

5070 Stow Road Report No.: 626737 - PLM

Stow OH 44224 Project: ODOT District 12 Bridges-CUY

Client: ENV507 Project No.: 33582

Appendix to Analytical Report

Customer Contact: Chuck Kessler

Method: 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, and USEPA 600, R93-116 as needed.

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com iATL Office Manager:wchampion@iatl.com iATL Account Representative: House Account Sample Login Notes: See Batch Sheet Attached Sample Matrix: Bulk Building Materials Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB)

Dated: 1/21/2021 4:58:05 Page 2 of 4



Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: EnviroScience, Inc. Report Date: 1/21/2021

5070 Stow Road Report No.: 626737 - PLM

Stow OH 44224 Project: ODOT District 12 Bridges-CUY

Client: ENV507 Project No.: 33582

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process) Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at **customerservice@iatl.com**.

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted.
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet.
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.
- 16) Note: This sample contains >10% vermiculite mineral. See Appendix for Recommendations for Vermiculite Analysis.

Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gange, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: "ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite."

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite (https://www.wadsworth.org/sites/default/files/WebDoc/1198_8_02_2.pdf)

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

1) Analytical Step/Method: Initial Screening by PLM, EPA 600R-93/116

Requirements/Comments: Minimum of 0.1 g of sample. ~0.25% for most samples.

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Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Report Date:

1/21/2021

Client: EnviroScience, Inc.

5070 Stow Road Report No.: 626737 - PLM OH 44224 Project: ODOT District 12 Bridges-CUY Stow

Project No.: 33582 Client: ENV507

2)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004 **Requirements/Comments:** Minimum 50g** of dry sample. Analysis of "Sinks" only.

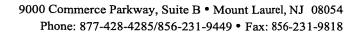
3) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004 **Requirements/Comments:** Minimum 50g** of dry sample. Analysis of "Floats" only.

4) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004 **Requirements/Comments:** Minimum 50g** of dry sample. Analysis of "Sinks" only.

5)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004 **Requirements/Comments:** Minimum 50g** of dry sample. Analysis of "Suspension" only. *With advance notice and confirmation by the laboratory.

**Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

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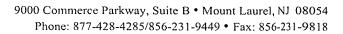




Chain of Custody

-Bulk Asbestos -

Contact Informa	ation		
Client Company:		Project Number:	33582
Office Address:	5070 Stow Road	Project Name:	ODOT District 12 Bridges- CUY
City, State, Zip:	Stow, Ohio 44224	Primary Contact:	Chuck Kessler
Fax Number:		Office Phone:	330-688-0111
Email Address:	ckessler@enviroscienceinc.com	Cell Phone:	330-592-9619
PLM Instruction	ns:		
APPARENT.	estos Building Materials EPA 600 R-93/11	6 1993	
☐ PLM: Bulk Asbe	estos Building Materials EPA 600 M-4/82	-020, 1982	
	estos Building Materials NIOSH 9002, 198		
g-accord .	estos Building Materials NYSDOH-ELAP	-	
	estos Building Materials NYSDOH-ELAP		
L LEWI: BUIK ASDE	estos Building Materials NYSDOH-ELAP	198.4, 2009	
☐ PLM: Point Cou	nting	PLM: Analyz	e Until Positive (Positive Stop)
☐ PC: via ELA		greenen	Homogenous Area as Noted
PC: 400 Poir			Material Type as Noted
PC: 800 Poin		PLM: NOB v	
☐ PC: 1600 Po	ints *	yasaway	able via EPA 600 2.3
DYLLEY	0.34107		PLM, to TEM via 198.4*
E posses	ns for Multi-Layered Samples		PLM, Hold for Instructions
generates	Report All Separable Layers per EPA 600 posite for Drywall Systems per NESHAP		wilding Material? (Don't Wing Town)
	ayers and Composite Where Applicable	□ FLIM: Non-D	uilding Material*,*** (Dust, Wipe, Tape) ermiculite Analysis*
	e and Report Specifically Noted Layer	☐ CARB 43	
Special Instructio		ii.	J
* Additional c	charge and turnaround may be required ** Alter	native Method (ex: EPA 600/R-0	4/004) may be recommended by Laboratory
Turnaround Tir	me		
	equested Date: January 22, 2021		al 🔳 Email 🔲 Fax
11	Specific date / time	. known brown	
	10 Day 5 Day 3 Day 2 Day		
* End of next	business day unless otherwise specified. ** M	atrix Dependent. ***Please n	
Chain of Custo	odv		
	c/Organization): C. Kessler/EnviroScience Inc	Date: 1/14/21	Time: 13:00
Received (Name / iA	ATL):	Date:	Time:
Sample Login (Nam		Date:	Time: 8 202/
Analysis(Name(s) / i QA/QC Review (Na		Date: 2121	Time:
Archived / Released		Date:	Time:
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Sample Log

-Bulk Asbestos -

Client: ODOT District 12	Project:	CUY-252-4.370 SR252 over I-480
Sampling Date/Time: 01/13/21	13:00	

Bulk Asbestos Sample Log							
Client Sample #	iATL#	Location/Description	Notes				
252-1	7129112	North Bridge Divide Transite Coupler	Back Wall North				
252-2	7129113	Divided Back Wall Split	Expansion Joint				
252-3	7129114	Divided Back Wall Split	Expansion Joint North				
252-4	7129115	Parapet Railing	Caulk Joint				
252-5	7129116	Parapet Railing	Caulk Joint				
252-6	7129117	Parapet Railing	Caulk Joint				
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-2 -





PHOTO 1 Looking north at CUY-252-4.370 bridge



PHOTO 2 Looking down at rocker and beam seat, all metal.



PHOTO 3
Looking north at underside of bridge. A bank of six 5" Transite conduits present. Assumed to be ACM. A verification sample taken at damaged coupler.



PHOTO 4 View looking south at underside of bridge and Transite conduit bank running the length of the bridge.



PHOTO 5 Johns-Manville Transite Type 2 pipe.



PHOTO 6 View looking east at lamp post. No gasket material on the underside of flange.



PHOTO 7 View looking north at the east side of the bridge showing vandal fencing, parapet railing, and light poles.



PHOTO 8 View looking at northside of backwall. Sample of expansion joint taken



PHOTO 9 View looking west at raised center median barrier and parapet railing in background. Samples collected at parapet railing joints.



Notification of Demolition and Renovation/Abatement Section 1: General Information

Division of Air Pollution Control

Work on projects cannot begin until 10 working days after a COMPLETE original notification form, <u>including payment</u>, is submitted to Ohio EPA. Instructions and a worksheet for fee calculation are available at *epa.ohio.gov/asbestos*. This form can be completed, and payment made, at *ebiz.epa.ohio.gov*. Questions? *asbestos@epa.ohio.gov* or (614) 466-0061.

Ohio EPA Use On	Notification #:		Postmar	 ked: /	 /		Received:	/ /		Hand	d-Delivered
	Information (Check all that a	pply)	1							1 	
□ Original □	Revision # (count):	☐ Installation	☐ Emerg	ency	Annual		Cancellation	Project Co	ounty: CU	yahoga	
2) Owner, Asb	estos Abatement Contractor,	Billing and Fire D	epartment	Information	on			<u> </u>		<u>, c</u>	Revised?
Owner											
Name: Ohio D	epartment of Transpo	rtation						l:	s this a co	mpany? 🔲	Yes 🛛 No
Address: 5500	Transportation Blvd				Conta	ict Persc	on: Mark C	Carpente	er		
city: Garfield Heights					1			Zip: 4	4125 -		
Email: Mark.C	arpenter@dot.state.o	h.us		Phone: (216)	584	- 2089	Fax: ()	-	
Asbestos Abatem	Asbestos Abatement Contractor (if applicable)										
Name:					License	#: AC			Expiration	on Date:	/ /
Address:					Conta	ict Perso	n:		•		
City:				State:				Zip:	-		
Email:				Phone: ()	-		Fax: ()	-	
Billing Contact											
Is this contact as	sociated with the 🔲 Owner,	Asbestos Ab	atement Co	ontractor, o	or 🔲 De	molition	Contractor	(if not insta	allation)?		
Address:					Conta	ict Perso	on:				
City:				State:				Zip:	-		
Email:				Phone: ()	-		Fax: ()	-	
Fire Department	(if applicable)										
Name:											
Address:				1	Conta	ict Perso	n:				
City:				State:				Zip:	-		
Email:				Phone: ()	-		Fax: ()	-	
3) Ohio Asbest	os Hazard Evaluation Speciali	st and Evaluation	Procedure	!				-			Revised?
Evaluation Specia	alist: Charles Kessler			C	ertificatio	n#: ES	34704	Expir	ration Date	e: 10 / 7 /	2021
	ding analytical methods, empl ategory II non-friable asbestos										
Bulk Samplir	ng w/point count of sa	mples that a	re less t	han 10%	6 asbes	tos co	ntaining				
4) Procedures	to be followed should unexpe	cted RACM be di	scovered (d	heck all th	at apply	1					Revised?
Stop work ar	nd keep wet Evac	uate area		emarcate	area		□ c	ontact licer	nsed abate	ement contra	actor
Contact district office/local air authority											
☑ Other (Explain): Notify ODOT Project Engineer and Project Superintendent											
5) Planned Der	molition (check all that apply)										Revised?
Describe demolit	tion work to be performed and								plain):		
Existing stru	cture components wil	l be removed	l by indu	ıstry sta	ndard	means	s and met	thods			

Notification of Demolition and Renovation/Abatement Section 1: General Information

Mail completed form and payment to: Ohio EPA, DAPC – Asbestos P.O. Box 1049, Columbus, OH 43216-1049

Continued

Description of affected facility	y components (include a	ittachment if necessary):								
(Revised 02/18)		Page	1	of	3						
6) Asbestos Description and	d Engineering Controls	_									Revised?
For the material listed in each ensure proper waste handling	n project, describe the ty			gineeri	ng con	trols and	work practices	to be used	to minir	nize emi	issions and
Type of ACM to be abated:	Surfacing	☐ Mechanical		ther							
Engineering Controls:	☐ Wet Methods	Glove Bag	□N	PE		AFD		ther:			
Work Practices:	☐ Intact Removal	☐ Manual	□ №	1echar	ical	Other	:				
7) Asbestos Waste Transpo	rter (if applicable)	1									Revised?
Transporter #1 Name:											
Address:					Conta	act Person	n:				
City:			State:					Zip:	-		
Email:			Phone	: ()	-		Fax: ()	-	
Transporter #2 Name (if appli	cable):		•					•			
Address:					Conta	act Person	1:				
City:			State:					Zip:	-		
Email:				: ()	-		Fax: ()	-	
8) Asbestos Waste Disposa	l Site (if applicable)							•			Revised?
Name:											
Address:					Conta	act Person	:				
City:			State:					Zip:	-		
Email:			Phone	: ()	-		Fax: ()	-	
9) Emergency Demolition (complete if you checked	d "Emergency" above a	nd "Dei	nolitic	n" for	any proje	ect)				Revised?
A copy of the issued order, in	cluding the following in	ormation, must be atta	ched to	this n	otifica	tion.					
Government Official Issuing C	Order:		Tit	le:							
Agency:			Au	Authority of Order (Citation of Code):							
Date of Order: / /			De	Demolition Date: / /							
10) Emergency Renovation/	Abatement (complete i	f you checked "Emerge	ncy" ab	ove an	d "Rei	novation/	Abatement" f	or any proje	ect)		Revised?
Date of Emergency: /	/		Tir	ne of E	merge	ency: :	a.m.	□ p.m.			
Description of Sudden, Unexp	pected Event:										
Explanation of how the event	t caused unsafe condition	ns or equipment dama	ge:								
11) Attestation											Revised?
In accordance with Ohio Adm the Administrative Code will s is prohibited by law and I cert	supervise the stripping a	nd removal described b	y this n	otifica	tion. I	acknowle					
Signature:							Date: ///				
Name: Mark Carpenter			Titl	e: Dis	trict	12 Env	ironmenta	l Engine	er		
Organization: Ohio Depar	tment of Transpo	ortation	_	· <u> </u>							



Notification of Demolition and Renovation/Abatement Section 2: Project Address Specific Information

Division of Air Pollution Control

Please complete Section 2 for the address included with this notification. If the project is an "Installation" per OAC 3745-20, complete a separate Section 2 page for each address associated with this notification.

Ohio EPA Use Only	Project ID #	t:								
A. Facility Descr	iption								Revised?	
Building Name (if a	pplicable): CU	JY-252-4.370		Site Location (specific): SR 252 over I-480 SFN 1810405						
Address: SR-252	over I-480	, Coordinates: 41	.41298, -81.	90194						
City: North Olm	stead			State:	ОН	Zip: 4	14070 -			
Building Size (squar	e feet):			N	o. of Floors:			Age: 41		
Present Use: High	nway Bridg	e		Pr	rior Use: Highway	/ Bridge				
B. Type of Operation (check all that apply)									Revised?	
☐ Renovation/Abatement – Type: ☐ Remo					epair 🔲 Encapsula	ation 🔲 🛭	Enclosure			
C. Asbestos Pres	ent (check on	e)							Revised?	
⊠ Yes □ No		No, previously abate	d Year A	Abated:						
D. Approximate	Amount of As	bestos-Containing Mat	erials (complete	table be	low and Section 1 #6	6 if asbesto	s is present)		Revised?	
			Material to	be Remo	oved		Ма	aterial NOT to	be Removed	
	Non-fri				stos-Containing Mate	erial	Non-frial	ole Asbestos-0	Containing Material	
		RACM	Catego	ory I	Categor	y II	Categ	gory I	Category II	
Pipes (linear feet)		1752 L.								
Surface area on oth components (ft²)	er facility									
Volume if length or be measured (ft³)	area cannot									
E. Asbestos Aba	tement Sched	ule and Abatement Sp	ecialist (original	notificati	on is required 10 wo	orking days	prior to the st	art of work)	Revised?	
Setup Date: /	/	Abate	ment Date: /	/		Cor	nplete Date:	/ /		
(Shift 1) Time	Monday	Tuesday	Wednes	sday	Thursday	Frid	ay	Saturday	Sunday	
start/end on site										
Abatement Speciali	st Name:	,	ı	Certification #: AS		Expiration Da		Date: / /		
(Shift 1) Time start/end on site	Monday	Tuesday	Wednes	sday	Thursday	Frid	ay	Saturday	Sunday	
Abatement Speciali	st Name:			Certifi	Certification #: AS Expiration Date: /					
F. Demolition Co	ontractor (if a	pplicable)						1	Revised?	
Name:										
Address: Contact Person:										
City:				State:	-		Zip:	-		
Email:				Phone:	() -		Fax:	()	-	
G. Demolition Schedule (original notification is required 10 working of					to the start of work	κ)			Revised?	
Start Date: /	/			Complet	te Date: / /					
H. Project Hold									Revised?	
Hold Begin Date: / /					Work Resume Date: / /					

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